



102103

16805 U.S. PTO

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No. 018360/246794
	First Inventor Timothy C. Owens
	Title DATA STRUCTURE AND MANAGEMENT SYSTEM FOR A SUPERSET OF RELATIONAL DATABASES
	Express Mail Label No. EV 211 241 334 US

ADDRESS TO: MAIL STOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

22389 U.S. PTO

10/690322



102103

Transmitted herewith for filing in the United States Patent Office is a patent application for:

Inventors: Timothy C. Owens, Bruce E. Harrison

Assignee of this invention is United Parcel Service of America, Inc.

1. ☒ The Filing Fee has been calculated as shown below:  
2. ☐ Applicant claims Small Entity Status. See 37 CFR 1.27.

No. Filed		No. Extra	Small Entity		Large Entity	
			Rate	Fee 0	Rate	Fee 1
BASIC FEE			\$ 0		\$ 770	
TOTAL CLAIMS:	45 - 20 =	25	X 9 =	\$ 0	25 x 18 =	\$ 450
INDEP CLAIMS:	11 - 3 =	8	X 43 =	\$ 0	8 x 86 =	\$ 688
[ <input type="checkbox"/> ] MULTIPLE DEPENDENT CLAIMS PRESENTED			+145 = \$		+290 = \$	
*If the difference in Column 1 is less than zero, enter "0" in Column 2.			TOTAL	\$	TOTAL	\$ 1908

The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Acct. No. 16-0605.

- a. ☒ Fees required under 37 CFR 1.16 (National filing fees).  
b. ☒ Fees required under 37 CFR 1.17 (National application processing fees) including any extension of time fees under 37 CFR § 1.136(a) that are required for consideration of papers filed during prosecution.

☒ Form PTO-2038 is enclosed authorizing charge in the total amount of One Thousand Nine Hundred and Eight Dollars (\$1908.00) for the filing fee.

- ☐ The above filing fee will be paid along with Applicant(s) Response to the Notice to File Missing Parts.

3. ☒ Specification; Total Pages 74  
4. ☒ 11 Sheets of Drawing(s) (35 USC 113)  
5. ☒ Declaration and Power of Attorney; [Total Pages 2]  
a. ☒ Newly executed (original) (unsigned)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) & 1.33(b).  
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Copy (CRF)
- b. ☐ Request for Transfer of Computer Readable Form of Sequence Listing under 37 CFR § 1.821(e) and MPEP 2422.05 (must be compliant with new rules)
- c. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper (\_\_\_ Pages)
- d. ☐ Statements verifying identity of above copies

#### ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s) (including a check for the \$40.00 fee)
10. ☐ 37 CFR 3.73(b) Statement (*when there is an assignee*); ☐ Power of Attorney
11. ☐ English Translation Document (*if applicable*)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449; 22 Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15. ☐ Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
- ☐ Foreign Priority is claimed as Application No. \_\_\_\_\_, filed
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i).  
Applicant must attach form PTO/SB35 or its equivalent.
17. ☐ Request for Early Publication Under 37 CFR § 1.219. Fee of \$300.00 is enclosed.
18. **If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:**
- ☐ Continuation ☐ Divisional ☐ Continuation in Part (CIP)
- of prior Application No: \_\_\_\_; Filed

Prior Application Information: Examiner

Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. **CORRESPONDENCE ADDRESS**

**CUSTOMER NUMBER 00826**

Signature: \_\_\_\_\_

Attorney/Agent of Record: J. Scott Anderson

Attorney/Agent Registration No. 48,563

**Alston & Bird LLP**

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Date of Deposit October 21, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:

Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

\_\_\_\_\_  
Shana Moore

Shana Moore

ALSTON & BIRD, LLP  
**REQUEST FOR PAYMENT/REIMBURSEMENT**

Issue Payment To **J. Scott Anderson**  
Address \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Charge Description **USPTO Filing Fee**

**(A) CHARGE TO (Check one box below):**

☒ **CLIENT MATTER** – Client Charges More Than \$250 Need Approval  
Client Number **018360** Client Name **UPS**  
Matter Number **246794** Matter Name **US - Flexible Address Abstraction System**

- ☐ **RECRUITING** – Recruiting Director Approval Required  
☐ **CLE** – Recruiting Director Approval Required  
☐ **OTHER FIRM ACCOUNT:** \_\_\_\_\_  
☐ **CLIENT ENTERTAINMENT/PDA** (*complete section B*) – Lawyer Individual Account  
☐ **PRACTICE GROUP RETREATS** – Practice Group Leader Approval Required  
Practice Group Name: \_\_\_\_\_  
☐ **PRACTICE GROUP BUSINESS DEVELOPMENT** (*also complete section B*)  
Practice Group Leader Approval Required  
Practice Group Name: **Intellectual Property, Patents, Solicitation, Mechanical**

**BUDGET CATEGORY (Check one box below):**

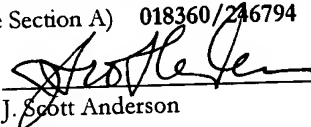
- | <b>Regular Account (765 Prefix)</b>  | <b>OR</b>   | <b>Supplemental Account* (766 Prefix)</b> |
|--|---|---|
| <input type="checkbox"/> 01 Domestic Business Development Trips<br>( <i>Attach Travel Expense Record</i> ) | <input type="checkbox"/> 01 International Business Development Trips<br>( <i>Attach Travel Expense Record</i> ) |   |
| <input type="checkbox"/> 02 Entertainment of Clients, Prospective Clients or Referral Source               | <input type="checkbox"/> 03 Business Development Materials  |   |
| <input type="checkbox"/> 05 Organizational Involvement   | <input type="checkbox"/> 04 Business Development Seminars   |   |
| <input type="checkbox"/> 06 Speaking Engagements   | <input type="checkbox"/> 09 Group Business Development Meetings   |   |
| <input type="checkbox"/> 07 Sponsorships   | <input type="checkbox"/> Or Other: ( <i>Explain</i> _____)  |   |
| <input type="checkbox"/> 08 Consultants  |   |   |

*\*All supplemental business development expenditures also require Jim Stokes' or John Coalson's signature:*

**(B) COMPLETE THE BELOW for Client Entertainment/PDA and Practice Group Business Development Charges Only:**

Activity Date \_\_\_\_\_  
Activity \_\_\_\_\_  
Client/Potential Client/Referral Name(s) \_\_\_\_\_  
Client Representative(s) Involved \_\_\_\_\_  
A&B Attorney(s) Involved \_\_\_\_\_  
Nature of Business \_\_\_\_\_

**(C) COMPLETE THE BELOW FOR ALL CHARGES:**

Account No. (See Section A) **018360/246794** Amount **\$1908.00**  
Requested By  Date **October 21, 2003**  
J. Scott Anderson  
Approved By \_\_\_\_\_ Date \_\_\_\_\_

**ROUTING INSTRUCTIONS** ☒ Return to J. Scott Anderson (ACP-17)  
☐ Call extension to pick up:  
☐ Please mail to address at top of page

**Call the Accounting Department with Any Questions**